

U.S. Department of Transportation **Pipeline and Hazardous Materials Safety Administration**

2023 Gas State Program Evaluation

for

MICHIGAN PUBLIC SERVICE COMMISSION

Document Legend PART:

- O -- Representative, Dates and Title Information
- A -- Progress Report and Program Documentation Review
- B -- Program Inspection Procedures
- C -- State Qualifications
- D -- Program Performance
- E -- Field Inspections
- F -- Damage prevention and Annual report analysis



2023 Gas State Program Evaluation -- CY 2023

Gas

State Agency: Michigan		Rating:		
Agency Status:		60105(a): Yes	60106(a): No	Interstate Agent: Yes
Date of Visit: 08/06/2024	- 08/08/2024			
Agency Representative:	David Chislea, Director - Gas Sa	fety & Operatio	ns Division	
PHMSA Representative:	David Lykken, State Liaison - P.	HMSA State Pro	grams	
Commission Chairman t	o whom follow up letter is to be	sent:		
Name/Title:	Dan Scripps, Chairman			
Agency:	Michigan Public Service Comm	ission		
Address:	7109 W. Saginaw Highway			
City/State/Zip:	Lansing, Michigan 48917			

INSTRUCTIONS:

Complete this evaluation in accordance with the Evaluator Guidance for conducting state pipeline safety program evaluations. The evaluation should generally reflect state program performance during CY 2023 (not the status of performance at the time of the evaluation). A deficiency in any one part of a multiple-part question should be scored as "Needs Improvement." Determine the answer to the question then select the appropriate point value. If a state receives less than the maximum points, include a brief explanation in the appropriate notes/comments section. If a question is not applicable to a state, select NA. Please ensure all responses are COMPLETE and ACCURATE, and they OBJECTIVELY reflect the state's program performance for the question being evaluated. Increasing emphasis is being placed on how the state pipeline safety programs conduct and execute their pipeline safety responsibilities (their performance). This evaluation, together with selected factors reported in the state's annual progress report attachments, provide the basis for determining the state's pipeline safety grant allocation.

Scoring Summary

PARTS		Possible Points	Points Scored
А	Progress Report and Program Documentation Review	0	0
В	Program Inspection Procedures	15	15
С	State Qualifications	10	10
D	Program Performance	50	49
Е	Field Inspections	15	15
F	Damage prevention and Annual report analysis	10	10
TOTAI	S	100	99
State R	ating		99.0



PART A - Progress Report and Program Documentation Review

1 Were the following Progress Report Items accurate? (*items not scored on progress Info Only Info Only report)

Info Only = No Points

- a. Stats On Operators Data Progress Report Attachment 1
- b. State Inspection Activity Data Progress Report Attachment 2
- c. List of Operators Data Progress Report Attachment 3*
- d. Incidents/Accidents Data Progress Report Attachment 4*
- e. Stats of Compliance Actions Data Progress Report Attachment 5*
- f. List of Records Kept Data Progress Report Attachment 6 *
- g. Staff and TQ Training Data Progress Report Attachment 7
- h. Compliance with Federal Regulations Data Progress Report Attachment 8
- i. Performance and Damage Prevention Question Data Progress Report
- Attachment 10*

Evaluator Notes:

a thru g & i: No issues or concerns identified. Item h: 4 points again deducted on PR scoring for not adopting civil penalty amounts similar to PHMSA.

Total points scored for this section: 0 Total possible points for this section: 0



1 Evaluator A thr	 Do written procedures address pre-inspection, inspection and post inspection activities for each of the following inspection types: Chapter 5.1 Yes = 5 No = 0 Needs Improvement = 1-4 a. Standard Inspections, which include Drug/Alcohol, CRM and Public Awareness Effectiveness Inspections b. TIMP and DIMP Inspections (reviewing largest operator(s) plans annually) c. OQ Inspections d. Damage Prevention Inspections e. On-Site Operator Training f. Construction Inspections (annual efforts) g. LNG Inspections r Notes: ru f: No issues. Item g: No jurisdictional LNG facilities in the state. 	5	5
2 Evaluator No is	 Do written procedures address inspection priorities of each operator, and if necessary each unit, based on the following elements and time frames established in its procedures? Chapter 5.1 Yes = 4 No = 0 Needs Improvement = 1-3 a. Length of time since last inspection b. Operating history of operator/unit and/or location (includes leakage, incident and compliance activities) c. Type of activity being undertaken by operators (i.e. construction) d. Locations of operator's inspection units being inspected - (HCA's, Geographic area, Population Centers, etc.) e. Process to identify high-risk inspection units that includes all threats - (Excavation Damage, Corrosion, Natural Forces, Outside Forces, Material and Welds, Equipment, Operators and any Other Factors) f. Are inspection units broken down appropriately? r Notes: 	4	4
3 Evaluator Yes t	 (Compliance Procedures) Does the state have written procedures to identify steps to be taken from the discovery to resolution of a probable violation? Chapter 5.1 Yes = 3 No = 0 Needs Improvement = 1-2 a. Procedures to notify an operator (company officer) when a noncompliance is identified b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns c. Procedures regarding closing outstanding probable violations r Notes: for items a thru c. No issues or concerns identified. 	3	3
4 Evaluator	 (Incident/Accident Investigations) Does the state have written procedures to address state actions in the event of an incident/accident? Yes = 3 No = 0 Needs Improvement = 1-2 a. Mechanism to receive, record, and respond to operator reports of incidents, including after-hours reports b. If onsite investigation was not made, do procedures require on-call staff to obtain sufficient information to determine the facts to support the decision not to go on-site. r Notes: 	3	3

Yes for a and b. No issues.

5 General Comments: Info Only = No Points Evaluator Notes: No point deductions under Part 'B'.

Total points scored for this section: 15 Total possible points for this section: 15

Арр	each inspector and program manager fulfilled training requirements? (See Guidelines bendix C for requirements) Chapter 4.3 = 5 No = 0 Needs Improvement = 1-4	5	5
	 a. Completion of Required OQ Training before conducting inspection as lead b. Completion of Required DIMP/IMP Training before conducting inspection as 		
	 c. Completion of Required LNG Training before conducting inspection as lead d. Root Cause Training by at least one inspector/program manager 		
	 Note any outside training completed Verify inspector has obtained minimum qualifications to lead any applicable standard inspection as the lead inspector (Reference State Guidelines Section 4.3.1) 		
Evaluator Note	1 1 1		
Items a thr	u f satisfactory. No issues.		
ade	state records and discussions with state pipeline safety program manager indicate quate knowledge of PHMSA program and regulations? = 5 No = 0 Needs Improvement = 1-4	5	5
Evaluator Note	1		
No issues of	or concerns. Mr. Chislea has held the position of Program Manager since February 2011.		
	eral Comments: In Only = No Points	fo Only Info On	ly
Evaluator Note			
No point d	eductions under Part 'C'.		

Total points scored for this section: 10 Total possible points for this section: 10 1

5

4

		s established in written procedures? Chapter 5.1		
		No = 0 Needs Improvement = 1-4		
	a.	Standard (General Code Compliance)		
	b.	Public Awareness Effectiveness Reviews		
	с.	Drug and Alcohol		
	d.	Control Room Management		
	e.	Part 193 LNG Inspections		
	f.	Construction (did state achieve 20% of total inspection person-days?)		
	g.	OQ (see Question 3 for additional requirements)		
	h.	IMP/DIMP (see Question 4 for additional requirements)		
	or Notes:			
Not that	checked in a complete	acted for failing to follow-up on those checklist questions marked as "Not Checked' dicates that the question is applicable to the operator's jurisdictional assets and requ comprehensive inspection is conducted within the maximum required time interva on activities where some tasks are not observable at the time of the on-site inspectio	ires follow ls. This do	w-up to ensure
	Inspecti Chapter and field for each Yes = 10 a. b. c. d. e. f. g. h. or Notes:	 bection form(s) cover all applicable code requirements addressed on Federal on form(s)? Did State complete all applicable portions of inspection forms? 5.1. Do inspection records indicate that adequate reviews of procedures, records d activities, including notes and the appropriate level of inspection person-days inspection, were performed? No = 0 Needs Improvement = 1-9 Standard (General Code Compliance) Public Awareness Effectiveness Reviews Drug and Alcohol Control Room Management Part 193 LNG Inspections Construction OQ (see Question 3 for additional requirements) IMP/DIMP (see Question 4 for additional requirements) 	10	10
3	should i (includi the oper	verifying monitoring (Protocol 9/Form15) of operators OQ programs? This nclude verification of any plan updates and that persons performing covered tasks ng contractors) are properly qualified and requalified at intervals established in rator's plan. 49 CFR 192 Part N No = 0 Needs Improvement = 1	2	2
Evaluate	or Notes:	-		
No	issues. 24 d	lays devoted to OQ activities in CY2023. Reviewed Attachment 2 MOD Spreadshee	et.	
4	should i should t Subparts	verifying operator's integrity management Programs (IMP and DIMP)? This nclude a review of plans, along with monitoring progress. In addition, the review ake in to account program review and updates of operator's plan(s). 49 CFR 192 s O and P No = 0 Needs Improvement = 1 Are the implementation plans of the state's large/largest operators(s) being	2	2

Did state inspect all types of operators and inspection units in accordance with time

reviewed annually to ensure they are completing full cycle of the IMP process?b. Are states verifying with operators any plastic pipe and components that have shown a record of defects/leaks and mitigating those through DIMP plan?c. Are the states verifying operators are including low pressure distribution

c. Are the states verifying operators are including low pressure distribution systems in their threat analysis?

5 Did the state review the following (these items are NTSB recommendations to PHMSA that have been deemed acceptable response based on PHMSA reviewing these items during the evaluation process): Chapter 5.1 Yes = 2 No = 0 Needs Improvement = 1

a. Operator procedures for determining if exposed cast iron pipe was examined for evidence of graphitization and if necessary remedial action was taken;

b. Operator procedures for surveillance of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leakage history, or other unusual operating maintenance condition? (Note: See GPTC Appendix G-18 for guidance);

c. Operator emergency response procedures for leaks caused by excavation damage near buildings and determine whether the procedures adequately address the possibility of multiple leaks and underground migration of gas into nearby buildings Refer to 4/12/01 letter from PHMSA in response to NTSB recommendation P-00-20 and P-00-21;

d. Operator records of previous accidents and failures including reported thirdparty damage and leak response to ensure appropriate operator response as required by 192.617;

e. Directional drilling/boring procedures of each pipeline operator or its contractor to determine if they include actions to protect their facilities from the dangers posed by drilling and other trench less technologies;

f. Operator procedures for considering low pressure distribution systems in threat analysis?

g. Operator compliance with state and federal regulations for regulators located inside buildings?

Evaluator Notes:

a & b: PSC Form A

c: Form H

d: Form C

e: Form H

f: Form A

g: Forms A & H

- No issues.
- 6 Did the State verify Operators took appropriate action regarding advisory bulletins issued 1 1 since the last evaluation? (Advisory Bulletins Current Year) Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

None issued in CY2023. Question on PSC Form E

7 (Compliance Activities) Did the state follow compliance procedures (from discovery to resolution) and adequately document all probable violations, including what resolution or further course of action is needed to gain compliance? Chapter 5.1
 Yes = 10 No = 0 Needs Improvement = 1-9

a. Were compliance actions sent to company officer or manager/board member if municipal/government system?

- b. Were probable violations documented properly?
- c. Resolve probable violations
- d. Routinely review progress of probable violations
- e. Did state issue compliance actions for all probable violations discovered?
- f. Can state demonstrate fining authority for pipeline safety violations?
- g. Does Program Manager review, approve and monitor all compliance actions?

(note: Program Manager or Senior Official should sign any NOPV or related enforcement action)

h. Did state compliance actions give reasonable due process to all parties? Including "show cause" hearing, if necessary. 10

uator a & b c: Fo d: Fo e: Fo f: Fo g: Fo No is

i. Within 30 days, conduct a post-inspection briefing with the owner or operator outlining any concerns

j. Within 90 days, to the extent practicable, provide the owner or operator with written preliminary findings of the inspection. (Incident investigations do not need to meet 30/90-day requirement)

Evaluator Notes:

Yes for items a thru j. All satisfactory.

8 (Incident Investigations) Were all federally reportable incidents investigated, thoroughly 10 10 documented, with conclusions and recommendations? Yes = 10 No = 0 Needs Improvement = 1-9Does state have adequate mechanism to receive and respond to operator reports a. of incidents, including after-hours reports? Did state keep adequate records of Incident/Accident notifications received? b. If onsite investigation was not made, did the state obtain sufficient information c. from the operator and/or by means to determine the facts to support the decision not to go on site? d. Were onsite observations documented? e. Were contributing factors documented? f. Were recommendations to prevent recurrences, where appropriate, documented? Did state initiate compliance action for any violations found during any g. incident/accident investigation? h. Did state assist Region Office or Accident Investigation Division (AID) by taking appropriate follow-up actions related to the operator incident reports to ensure accuracy and final report has been received by PHMSA? i. Does state share any lessons learned from incidents/accidents? **Evaluator Notes:** Yes to all. The program does needs to be timelier in issuing final incident reports. Many taking up to a year to be finalized and issued. Staffing issues primary cause for delays. 9 Did state respond to Chairman's letter on previous evaluation within 60 days and correct 1 1 or address any noted deficiencies? (If necessary) Chapter 8.1 Yes = 1 No = 0 Needs Improvement = .5 **Evaluator Notes:** Yes. Letter out on 9/13/23. Response received on 11/9/23 addressing civil penalty amounts, Inspection forms, and Waiver monitoring. 10 Did State conduct or participate in pipeline safety training session or seminar in Past 3 Info Only Info Only Years? Chapter 8.5 Info Only = No Points Evaluator Notes: Last in 10/2019. Communication Meetings held annually with 4 largest operators. Seminar scheduled for October 2024. 11 Has state confirmed transmission operators have submitted information into NPMS Info Only Info Only database along with changes made after original submission? Info Only = No Points Evaluator Notes: Question asked under PSC Second Half form D. Includes P and O questions. 12 1 1 Does the state have a mechanism for communicating with stakeholders - other than state

pipeline safety seminar? (This should include making enforcement cases available to public). Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

MIPSC web site includes Communications Meeting information, Inspection forms, and List serve for delivery of Advisory Bulletin information.

13	Did state execute appropriate follow-up actions to Safety Related Condition (SRC) Reports? Chapter 6.7	1	1
Evaluator	Yes = 1 No = 0 Needs Improvement = .5		
	C's reported in CY2023. 2 remain open. Updates spotty but current now on SRCR dated	12/11/2023.	
14	Was the State responsive to:	1	1
	Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$		
	a. Surveys or information requests from NAPSR or PHMSA; and		
	b. PHMSA Work Management system tasks?		
Evaluator			
Yes	to both. The program responded to 8 of 11 surveys in 2023. There were no WMS IM noti	fications in 20	23.
15	If the State has issued any waivers/special permits for any operator, has the state verific conditions of those waivers/special permits are being met? This should include having operator amend procedures where appropriate. Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$		1
Evaluator	r Notes:		
Impr	ovement in this area. The program added new questions to MPSC 2nd Half Form F to cor-	rect the monit	ioring deficiency
16	Were pipeline program files well-organized and accessible? Info Only = No Points	Info Only I	nfo Only
Evaluator	•		
Yes.	No concerns.		
17	Discussion with State on accuracy of inspection day information submitted into State Inspection Day Calculation Tool (SICT). Has the state updated SICT data? Yes = $3 \text{ No} = 0$ Needs Improvement = $1-2$	3	3
Evaluator	r Notes:		
The	program updated the SICT by the end of July 2024. No noteworthy changes made.		
18	Discussion on State Program Performance Metrics found on Stakeholder Communicati site.\ http://primis.phmsa.dot.gov/comm/states.htm?nocache=4805 Info Only = No Points	on Info Only I	nfo Only
Evaluator Note CY2	for letter. Replacement projects ongoing. In CY2023 1,416.2 miles of CI remaining. Dov	vn from 1,616	.2 miles in
19	Did the state encourage and promote operator implementation of Pipeline Safety Management Systems (PSMS), or API RP 1173? This holistic approach to improving pipeline safety includes the identification, prevention and remediation of safety hazards Info Only = No Points	Info Only I 5.	nfo Only
	a. https://pipelinesms.org/		
Evaluator	b. Reference AGA recommendation to members May 20, 2019		
	No concerns.		
20	General Comments:	Info Only I	nfo Only
Evaluator	Info Only = No Points r Notes:		

Question D-1. One-point deducted for failing to follow-up on those checklist questions marked as "Not Checked" during past inspections.

Total points scored for this section: 49 Total possible points for this section: 50



DUNS: 148674265 2023 Gas State Program Evaluation

1	Operator, Inspector, Location, Date and PHMSA Representative (enter specifics into the comments box below)	Info Only In	fo Only
	Info Only = No Points a. What type of inspection(s) did the state inspector conduct during the field		
	portion of the state evaluation? (i.e. Standard, Construction, IMP, etc)		
	b. When was the unit inspected last?		
	c. Was pipeline operator or representative present during inspection?		
	d. Effort should be made to observe newest state inspector with least experience		
Evoluato			
Evaluato	onstruction - Mid-Michigan 32-inch STW Pipeline Project		
	his is an on-going project		
	es. Consumer Energy was represented.		
	Ir. Chris Davis started with the MPSC program in September 2023.		
2	Did the inspector use an appropriate inspection form/checklist and was the form/checklist used as a guide for the inspection? (New regulations shall be incorporated) Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluato			
Yes	. The MPSC Construction form is being used for the on-going project.		
3	Did the inspector adequately review the following during the inspection	10	10
	Yes = $10 \text{ No} = 0 \text{ Needs Improvement} = 1-9$		
	a. Procedures (were the inspector's questions of the operator adequate to		
	determine compliance?)		
	b. Records (did the inspector adequately review trends and ask in-depth		
	questions?) c. Field Activities/Facilities (did inspector ensure that procedures were being		
	followed, including ensuring that properly calibrated equipment was used and OQ's		
	were acceptable?)		
	d. Other (please comment)		
	e. Was the inspection of adequate length to properly perform the inspection?		
Evaluato			
	to all. No issues or concerns identified.		
4	From your observation did the inspector have adequate knowledge of the pipeline safety	2	2
	program and regulations? (Evaluator will document reasons if unacceptable)		
	Yes = 2 No = 0 Needs Improvement = 1		
Evaluato			
Mr.	Davis demonstrated adequate knowledge for the tasks observed.		
5	Did the inspector conduct an exit interview, including identifying probable violations? (If	1	1
5	inspector is not totally completed the interview should be based on areas covered during		1
	time of field evaluation)		
	Yes = 1 No = 0 Needs Improvement = .5		
Evaluato			
Yes	, debrief was conducted. No PV's identified during this inspection.		
			6.0.1
6	Was inspection performed in a safe, positive, and constructive manner?	Info Only In	to Only
	Info Only = No Points		
	a. No unsafe acts should be performed during inspection by the state inspector		
	b. What did the inspector observe in the field? (Narrative description of field		
	observations and how inspector performed)		

c. Best Practices to Share with Other States - (Field - could be from operator

visited or state inspector practices)

d. Other

Evaluator Notes:

Evaluator Notes:

No issues or concerns identified.

Info Only = No Points

7 General Comments:

Info Only Info Only

No point deductions or areas of concern noted under Part E.

Total points scored for this section: 15 Total possible points for this section: 15

1	Has the state reviewed Operator Annual reports, along with Incident/Accident reports, for accuracy and analyzed data for trends and operator issues. Yes = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
Evaluato			
Yes	. No change from prior years. No issues or concerns.		
2	Has the state verified that the operators analyze excavation damages for the purpose of determining root causes and minimizing the possibility of a recurrence? (192.617) Has the state verified that the operators have appropriately identified excavators who have repeatedly violated one-call laws and damaged their facilities. Have the operators taken steps to mitigate that risks? (192.1007) $Yes = 2 No = 0$ Needs Improvement = 1	2	2
Evaluato			
Yes	to both. State dig law requires data to be submitted quarterly by operators. No issues.		
3	 Has the state reviewed the operator's annual report pertaining to Part D - Excavation Damage? Yes = 4 No = 0 Needs Improvement = 1-3 a. Is the information complete and accurate with root cause numbers? b. Has the state evaluated the causes for the damages listed under "One-Call Notification Practices Not Sufficient" (Part D.1.a.)? c. Has the state evaluated the causes for the damages listed under "Locating Practices Not Sufficient" (Part D.1.b)? For each operator, does the state review the following? d. Is the operator or its locating contractor(s) qualified and following written procedures for locating and marking facilities? e. Is the operator appropriately requalifying locators to address performance deficiencies? f. What is the number of damages resulting from mismarks? g. What is the number of damages resulting from not locating within time requirements (no-shows)? h. Is the operator appropriately addressing discovered mapping errors resulting in excavation damages? 	4	4
	i. Are mapping corrections timely and according to written procedures?		
	j. Has the state evaluated the causes for the damages listed under "Excavation		
Evaluato	Practices Not Sufficient" (Part D.1.c.)?		
	to items a thru j. No concerns.		
4	 Has the agency or another organization within the state collected data and evaluated trends on the number of pipeline damages per 1,000 locate requests? Yes = 2 No = 0 Needs Improvement = 1 a. What stakeholder group is causing the highest number of damages to the pipelines? Operator, contractor, locating company or public. b. Has the state verified the operator is appropriately focusing damage prevention education and training to stakeholders causing the most damages? c. Has the state evaluated which of the following best describes the reason for the excavation damages; i.e., operator or contractor not following written procedures, failure to maintain marks, failure to support exposed facilities, failure to use hand tools were required, failure to test-hole (pot hole), improper backfilling practices, failure to maintain clearance or insufficient excavation practices. 	2	2

d. Has the state verified the operator is appropriately focusing damage prevention education and training to address the causes of excavation damages?

Evaluator Notes:

No issues or concerns identified.

5 General Comments: Info Only = No Points Evaluator Notes: No point deductions under part F.

Info Only Info Only

Total points scored for this section: 10 Total possible points for this section: 10